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OIP E MAY 19 2003 (use as many sheets as necessary)		Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Complete if Known	
Application Number		10/029,401		RECEIVED	
Filing Date		12/21/2001		MAY 22 2003	
First Named Inventor		ROGER A. SABBADINI		1654	
Group Art Unit		1654		LEARY	
Examiner Name		LEARY		MAY 22 2003	
Attorney Docket Number		078853-0306		TECH CENTER 1000 2003	

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
CC	A1	5,989,803		Tabas et al.	November 23, 1999	CLASS 435/4 SUBCLASS

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Office ³	Number ⁴	Kind Code ⁵ (if known)	Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
CC	A2	WO	01 37836 A		Emory University	May 31, 2001		
CC	A3	WO	01 71045		Millennium Pharmaceuticals, Inc.	Sept. 27, 2001		
CC	A4	WO	00 56135		Regents of the University of California	Sept. 28, 2000		

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
CC	A5	Sabbadini et al., "The MIRF trial: Predicting the incidence and severity of CAD using serum sphingolipids." Circulation, 102: 11699, 2000 (Abstract).	
CC	A6	Nakajima et al., "Expression and characterization of Edg-1 receptors in rat cardiomyocytes: Calcium deregulation in response to sphingosine 1-phosphate." European Journal of Biochemistry, 267: 5679-5686, 2000.	
CC	A7	Huwyler et al., "Physiology and pathophysiology of sphingolipid metabolism and signaling." Biochimica Et Biophysica Acta, 1485: 63-99, 2000.	
CC	A8	International Search Report issued in PCT Application No. PCT/US01/50785	

 Examiner
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Louise Lee

Date


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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Form PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 078853-0302		SERIAL NO. 10/029401	
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				APPLICANT Roger A. Sabbadini			
				FILING DATE 12/21/2001		GROUP ART UNIT 1654	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
CC	A1	6,210,976	04/03/2001	Sabbadini	436	518	
CC	A2	5,929,039	07/27/1999	Woodcock, et al.	514	37	
CC	A3	5,677,288	10/14/1997	Marangos	514	39	
CC	A4	20010041688	11/15/2001	Waeber, et al.	435	69.1	SEP 03 2002
CC	A5	4,150,949	04/24/1979	Smith	23	230.8	TECH CENTER 1600 2900
CC	A6	5,369,030	11/29/1994	Hannun, et al.	435	240.2	
CC	A7	5,631,394	05/20/1997	Wei, et al.	556	404	
FOREIGN PATENT DOCUMENTS							
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
CC	A33	WO 98/57179	10/12/2000	PCT			X
CC	A34	WO 01/80903	11/01/2001	PCT			X
CC	A35	WO 99/12890	03/18/1999	PCT			X
CC	A36	WO 99/41266	08/19/1999	PCT			X
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
CC	A69	Abe, et al., "Glycosphingolipid depletion in Fabry disease lymphoblasts with potent inhibitors of glucosylceramide synthase," <i>Kidney International</i> , 57:446-454 (2000)					
CC	A70	Abe, et al., "Structural and stereochemical studies of potent inhibitors and glucosylceramide synthase and tumor cell growth," <i>Journal of Lipid Research</i> , 36:611-621 (1995)					
CC	A71	Abe, et al., "Use of Sulfolbutyl Ether β -Cyclodextrin as a Vehicle for D-threo-1-Phenyl-2-decanoylamino-3-morpholinopropanol-Related Glucosylceramide Synthase Inhibitors," <i>Analytical Biochemistry</i> , 287:344-347 (2000)					
CC	A72	An, et al., "Characterization of a Novel Subtype of Human G Protein-coupled Receptor for Lysophosphatidic Acid," <i>J. Biol. Chem.</i> , 273:7906-7910 (1998)					
CC	A73	An, et al., "Identification of cDNAs encoding two G protein-coupled receptors for lysosphingolipids," <i>FEBS Letts.</i> , 417:279-282 (1997)					
EXAMINER 				DATE CONSIDERED 4/2004			
* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include any copy of this form with next communication to applicant.							

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078853-0302SERIAL NO. 10/029401
APPL_NO02

INFORMATION DISCLOSURE CITATION

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APPLICANT

Roger A. Sabbadini

FILING DATE

12/21/2001

GROUP ART UNIT 1654

USPTO_ART_UNIT02

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF. NO.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
CC	A8	5,677,337	10/14/1997	Wei, et al.	514	56	
	A9	6,323,201	11/27/2001	Carson, et al.	514	234.2	
	A10	4,937,232	06/26/1990	Bell, et al.	514	26	
	A11	4,816,450	03/28/1989	Bell, et al.	514	25	
	A12	5,331,014	07/19/1994	Kimura, et al.	514	642	
	A13	5,137,919	08/11/1992	Igarashi, et al.	514	642	
	A14	5,151,360	09/29/1992	Handa, et al.	435	240.2	
	A15	6,187,562	02/13/2001	Duckworth, et al.	435	69.1	
	A16	5,851,782	12/22/1998	Hannun, et al.	514	360	
	A17	5,079,263	01/07/1992	Zeeck, et al.	514	616	
	A18	5,444,087	08/22/1995	Patel, et al.	514	475	
	A19	6,284,798	09/04/2001	Amtmann, et al.	514	632	
	A20	6,306,911	10/23/2001	Wachter, et al.	546	193	
	A21	6,051,598	04/18/2000	Shayman, et al.	514	428	
	A22	5,919,687	07/06/1999	Chatterjee	435	199	
	A23	5,663,404	09/02/1997	Igarashi, et al.	558	169	
	A24	5,260,288	11/09/1993	Igarashi, et al.	514	114	
	A25	5,391,800	02/21/1995	Igarashi, et al.	558	145	
	A26	5,430,160	04/04/1995	Boumendjel, et al.	549	510	
	A27	5,248,824	09/28/1993	Igarashi, et al.	564	292	
	A28	5,912,144	06/15/1999	Au-Young, et al.	435	69.1	
	A29	6,130,067	10/10/2000	Tsui	435	69.1	
	A30	6,057,126	05/02/2000	Munroe, et al.	435	69.1	
CC	A31	5,585,476	12/17/1996	MacLennan, et al.	536	23.5	
CC	A32	6,140,060	10/31/2000	Chun, et al.	435	7.1	

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Form PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 078853-0302		SERIAL NO. 10/029401 APPL_NO03		
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				APPLICANT Roger A. Sabbadini				
				FILING DATE 12/21/2001		GROUP ART UNIT 1654 USPTO_ART_UNIT03		
FOREIGN PATENT DOCUMENTS								
CC	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
							YES	NO
CC	A37	WO 00/00593	01/06/2000	PCT			X	
CC	A38	WO 00/21919	04/20/2000	PCT			X	
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CC	A40	WO 00/52173	09/08/2000	PCT			X	
CC	A41	WO 00/58448	10/05/2000	PCT				X
CC	A42	WO 00/58491	10/05/2000	PCT				X
CC	A43	WO 00/59517	10/12/2000	PCT			X	
CC	A44	WO 00/70028	11/23/2000	PCT			X	
CC	A45	WO 00/72833 A2	12/07/2000	PCT				X
CC	A46	WO 01/04108	01/18/2001	PCT			X	
CC	A47	WO 01/04139	01/18/2001	PCT			X	
CC	A48	WO 01/07418	02/01/2001	PCT			X	
CC	A49	WO 01/31029	05/03/2001	PCT			X	
CC	A50	WO 01/38295	05/31/2001	PCT				X
CC	A51	WO 01/55410	08/02/2001	PCT			X	
CC	A52	WO 01/57057	08/09/2001	PCT			X	
CC	A53	WO 01/60990	08/23/2001	PCT			X	
CC	A54	WO 01/72701	10/04/2001	PCT			X	
CC	A55	WO 01/85953	11/15/2001	PCT			X	
CC	A56	WO 97/44019	11/27/1997	PCT			X	
CC	A57	WO 98/03529	01/29/1998	PCT				X
CC	A58	WO 98/28445	07/02/1998	PCT			X	
CC	A59	WO 98/40349	09/16/1998	PCT				X
CC	A60	WO 99/07855	08/11/1998	PCT				X
CC	A61	WO 99/12890	03/18/1999	PCT				X
CC	A62	WO 99/16888	04/08/1999	PCT			X	
CC	A63	WO 99/33972	07/08/1999	PCT			X	
CC	A64	WO 99/38983	08/05/1999	PCT			X	
CC	A65	WO 99/41265	08/19/1999	PCT				X

Examiner: *Louisa Lee*

DATE: 4/25/04

Roger A. Sabbadini

FILING DATE

12/21/2001

GROUP ART UNIT 1654

USPTO ART UNIT03

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FOREIGN PATENT DOCUMENTS

[illegible]

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DATE: 4/04

Form PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 078853-0302	SERIAL NO. <u>10/029401</u> APPL_NO04
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)		APPLICANT Roger A. Sabbadini	
		FILING DATE 12/21/2001	GROUP ART UNIT <u>1654</u> USPTO_ART_UNIT04
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
CC	A74	An, et al., "Sphingosine 1-phosphate-induced cell proliferation, survival, and related signaling events mediated by G protein-coupled receptors Edg3 and Edg5," <i>J. Biol. Chem.</i> , <u>275</u> :288-296 (2000)	
CC	A75	Ancellin, et al., "Extracellular export of sphingosine kinase-1 enzyme: Sphingosine 1 phosphate generation and the induction of angiogenic vascular maturation," <i>JBC Papers in Press</i> , Published 12/10/01 (manuscript M102841200).	
CC	A76	Andrieu-Abadie, et al., "L-carnitine prevents doxorubicin-induced apoptosis of cardiac myocytes: role of inhibition of ceramide generation," <i>FASEB J.</i> , <u>13</u> :1501-1510 (1999)	
CC	A77	Arenz, et al., "Manumycin A and Its Analogues Are Irreversible Inhibitors of Neutral Sphingomyelinase," <i>ChemiBiochem.</i> , <u>2</u> :141-143 (2001)	
CC	A78	Arenz, et al., "Synthese des ersten selektiven irreveriblen Inhibitors der neutralen Sphingomyelinase," <i>Angew Chem.</i> , <u>112</u> :1498-1500 (2000) (GERMAN)	
CC	A79	Arenz, et al., "Synthesis and Biochemical Investigation of Scyphostatin Analogues as Inhibitors of Neutral Sphingomyelinase," <i>Bioorganic & Medicinal Chemistry</i> , <u>9</u> :2901-2904 (2001)	
CC	A80	Arenz, et al., "Synthesis of the First Selective Irreversible Inhibitor of Neutral Sphingomyelinase," <i>Eur. J. Org. Chem.</i> , 137-140 (2001)	
CC	A81	Ariga, et al., "Role of Sphingolipid-mediated cell death in neurodegenerative diseases," <i>Journal of Lipid Research</i> , <u>39</u> :1-16 (1998)	
CC	A82	Bajjalieh, et al., "Ceramide Kinase," <i>Methods in Enzymology</i> , <u>311</u> :207-215 (1999)	
	A83	Intentionally Left Blank	
	A84	Intentionally Left Blank	
CC	A85	Bawab, et al., "Molecular Cloning and Characterization of a Human Mitochondrial Ceramidase," <i>J. Biol. Chem.</i> , <u>275</u> :21508-21513 (2000)	
CC	A86	Bernardo, et al., "Purification and Characterization of a Magnesium-dependent Neutral Sphingomyelinase from Bovine Brain," <i>J. Biol. Chem.</i> , <u>275</u> :7641-7647 (2000)	
CC	A87	Betto, et al., "Sphingosylphosphocholine modulates the ryanodine receptor/calcium-release channel of cardiac sarcoplasmic reticulum membranes," <i>Biochem. J.</i> , <u>322</u> :327-333 (1997)	
CC	A88	Bielawska, et al., "(1S, 2R)-D-erhthro-2-(N-Myristoylamino)-1-phenyl-1-propanol as an Inhibitor of Ceramidase," <i>J. Biol. Chem.</i> , <u>271</u> :12646-12654 (1996)	

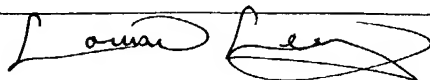
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		RECEIVED SEP 0 2002 TECH CENTER 600 200	
CC	A89	Bielawska, et al., "Ceramide Is Involved in Triggering of Cardiomyocyte Apoptosis Induced by Ischemia and Reperfusion," <i>Am. J. Pathol.</i> , <u>151</u> (5):1257-1263 (1997)	
CC	A90	Boudker, et al., "Detection and Characterization of Ceramide-1-phosphate Phosphatase Activity in Rat Liver Plasma Membrane," <i>J. Biol. Chem.</i> , <u>268</u> :22150-22155 (1993)	
CC	A91	Brady, et al., "The metabolism of sphingomyelin. II. Evidence of an enzymatic deficiency in Niemann-Pick disease," <i>Proc. Natl. Acad. Sci. USA</i> , <u>55</u> (2):366-369 (1966)	
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CC	A93	Brownlee, C., "Intracellular signalling: sphingosine-1-phosphate branches out," <i>Current Biology</i> , <u>11</u> :R535-R538 (2001)	
CC	A94	Burton, et al., "Human antibodies from combinatorial libraries," <i>Adv. Immunol.</i> , <u>57</u> :191-280 (1994)	
CC	A95	Cain, et al., "Therapeutic Strategies to Reduce TNF- α Mediated Cardiac Contractile Depression Following Ischemia and Reperfusion," <i>J. Mol. Cell. Cardiol.</i> , <u>31</u> :931-947 (1999)	
CC	A96	Caligan, et al., "A High-Performance Liquid Chromatographic Method to Measure Sphingosine 1-Phosphate and Related Compounds from Sphingosine Kinase Assays and Other Biological Samples," <i>Analytical Biochemistry</i> , <u>281</u> :36-44 (2000)	
CC	A97	Chan, et al., "Ceramide Path in Human Lung Cell Death," <i>Am. J. Respir. Cell Mol. Biol.</i> , <u>22</u> :460-468 (2000)	
CC	A98	Chan, et al., "Purification and Characterization of Neutral Sphingomyelinase from <i>Helicobacter pylori</i> ," <i>Biochemistry</i> , <u>39</u> :4838-4845 (2000)	
CC	A99	Chatterjee, "Neutral Sphingomyelinase," <i>Advances in Lipid Research</i> , <u>26</u> :25-49 (1993)	
CC	A100	Chatterjee, "Neutral Sphingomyelinase: past, present, and future," <i>Chemistry and Physics of Lipids</i> , <u>102</u> :79-96 (1999)	
CC	A101	Chatterjee, et al., "Molecular Cloning, Characterization, and Expression of a Novel Human Neutral Sphingomyelinase," <i>J. Biol. Chem.</i> , <u>274</u> :37407-37412 (1999)	
CC	A102	Chau, et al., "Synthesis of Simple Aryl Neutral Sphingomyelinase Inhibitors," <i>Abstr. Pap. - Am. Chem. Soc.</i> , (2001)	
CC	A103	Chun, "Lysophospholipid receptors: implications for neural signaling," <i>Crit. Rev. Neuro.</i> , <u>13</u> (2):151-168 (1999)	


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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)				RECEIVED SEP 03 2002 TECH CENTER 1600-2900			
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LL	A105	Cordis, et al., "HPTLC analysis of sphingomyelin, ceramide and sphingosine in ischemic/reperfused heart," <i>J. Pharm. And Biomed. Analysis</i> , <u>16</u> :1189-1193 (1998)					
LL	A106	Cuvillier, et al., "Suppression of ceramide-mediated programmed cell death by sphingosine-1-phosphate," <i>Nature</i> , <u>381</u> :800-803 (1996)					
LL	A107	Dickson, et al., "Serine Palmitoyltransferase," <i>Methods in Enzymology</i> , <u>311</u> :1-9 (1999)					
LL	A108	Edsall, et al., <i>Biochem.</i> , "N,N-Dimethylsphingosine is a potent competitive inhibitor of sphingosine kinase but not of protein kinase C: modulation of cellular levels of sphingosine 1-phosphate and ceramide," <u>37</u> :12892-12898 (1998)					
LL	A109	Edson, et al., "The Aminoglycosides," <i>Mayo Clin. Proc.</i> , <u>74</u> :519-528 (1999)					
LL	A110	Eichler, et al., "Peptide, peptidomimetic, and organic synthetic combinatorial libraries," <i>Med. Res. Rev.</i> , <u>15</u> :481-496 (1995)					
LL	A111	Fensome, et al., "A Neutral Magnesium-dependent Sphingomyelinase Isoform Associated with Intracellular Membranes and Reversibly Inhibited by Reactive Oxygen Species," <i>J. Biol. Chem.</i> , <u>275</u> :1128-1136 (2000)					
LL	A112	Fujii, et al., "Mg ²⁺ binding and catalytic function of sphingomyelinase from <i>Bacillus cereus</i> ," <i>J. Biochem (Tokyo)</i> , <u>124</u> :1178-1187 (1998)					
LL	A113	Fukushima, et al, "A single receptor encoded by <i>vzg-1/lp/edg-2</i> couples to G proteins and mediates multiple cellular responses to lysophosphatidic acid," <i>Proc. Natl. Acad. Sci.</i> , <u>95</u> :6151-6156 (1998)					
LL	A114	Furneisen, et al., "Enzymological properties of the LPP1-encoded lipid phosphatase from <i>Saccharomyces cerevisiae</i> " <i>Biochim. Biophys. Acta.</i> , <u>1484</u> :71-82 (2000)					
LL	A115	Garcia-Ruiz, "Human placenta sphingomyelinase, an exogenous acidic pH-optimum sphingomyelinase, induces oxidative stress, glutathione depletion, and apoptosis in rat hepatocytes," <i>Hepatology</i> , <u>32</u> :56-65 (2000)					
LL	A116	Gates, et al., "Serum amyloid p component: its role in platelet activation stimulated by sphingomyelinase d purified from the venom of the brown recluse spider (<i>Loxosceles reclusa</i>)," <i>Toxicon</i> , <u>28</u> :1303-1315 (1990)					
LL	A117	Gatt, et al., "Niemann Pick disease: presence of the magnesium-dependent sphingomyelinase in brain of the infantile form of the disease," <i>J. Neurochem.</i> , <u>31</u> (2):547-550 (1978)					
LL	A118	Gavrilenko, et al., "Nucleotide sequence of phospholipase C and sphingomyelinase genes from <i>Bacillus cereus</i> BKM-B164," <i>Bioorg. Khim.</i> , <u>19</u> :133-138 (1993)					

Examiners:



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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
CC	A119	Geeraert, et al., "Conversion of dihydroceramide into ceramide: involvement of a desaturase," <i>Biochem. J.</i> , <u>327</u> :125-132 (1997)	
CC	A120	Ghosh, et al., "Effects of gentamicin on sphingomyelinase activity in cultured human renal proximal tubular cells," <i>J. Biol. Chem.</i> , <u>262</u> :12550-12556 (1987)	
CC	A121	Ghosh, et al., "Identification, partial purification, and localization of a neutral sphingomyelinase in rabbit skeletal muscle: Neutral sphingomyelinase in skeletal muscle," <i>Mol. Cellular Biochem.</i> , <u>189</u> :161-168 (1998)	
CC	A122	Gilmore, et al., "A <i>Bacillus cereus</i> cytolytic determinant, cereolysin AB, which comprises the phospholipase C and sphingomyelinase genes: a nucleotide sequence and genetic linkage," <i>J. Bacteriol.</i> , <u>171</u> (2):744-753 (1989)	
CC	A123	Glickman, et al., "Molecular Cloning, Tissue-Specific Expression, and Chromosomal Localization of a Novel Nerve Growth Factor-Related G-Protein-Coupled Receptor, nrg-1," <i>Mol. Cel. Neurosci.</i> , <u>14</u> :141-152 (1999)	
CC	A124	Goetzl, et al., "Eicosanoids and Other Bioactive Lipids in Cancer, Inflammation, and Radiation Injury, 4. 38: A Subfamily of G Protein-Coupled Cellular Receptors for Lysophospholipids and Lysosphingolipids, Introduction: The Biochemistry and Biology of Lipid Phosphoric Acids," <i>Adv. Exp. Med. Biol.</i> , <u>469</u> :259-264 (1999)	
CC	A125	Gonda, et al., "The novel sphingosine 1-phosphate receptor AGR16 is coupled via pertussis toxin-sensitive and -insensitive G-proteins to multiple signalling pathways," <i>Biochem. J.</i> , <u>337</u> :67-75 (1999)	
CC	A126	Gonzalez-Zorn, et al., "The smcL gene of <i>Listeria ivanovii</i> encodes a sphingomyelinase C that mediates bacterial escape from the phagocytic vacuole," <i>Mol. Microbiol.</i> , <u>33</u> (3):510-523 (1999)	
CC	A127	Graier, et al., "EDG6, a Novel G-Protein-Coupled Receptor Related to Receptors for Bioactive Lysophospholipids, Is Specifically Expressed in Lymphoid Tissue," <i>Genomics</i> , <u>53</u> :164-169 (1998)	
CC	A128	Gunther, "Myocardial contractility after infarction and carnitine palmitoyltransferase I inhibition in rats," <i>Eur. J. Pharma.</i> , <u>406</u> :123-126 (2000)	
CC	A129	Hakogi, et al., "Stereocontrolled synthesis of a sphingomyelin methylene analogue as a sphingomyelinase inhibitor," <i>Org. Lett.</i> , <u>2</u> :2627-2629 (2000)	
CC	A130	Hanada, et al., "Specificity of Inhibitors of Seine Palmitoyltransferase (SPT), a Key Enzyme in Sphingolipid Biosynthesis, in Intact Cells," <i>Biochemical Pharmacology</i> , <u>59</u> :1211-1216 (2000)	
CC	A131	Hannun, et al., "Ceramide in the eukaryotic stress response," <i>Cell Biology</i> , <u>10</u> :73-80 (2000)	
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				FILING DATE 12/21/2001		GROUP ART UNIT <u>1654</u> USPTO_ART_UNIT04	
				OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
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LL		A135		He, et al., "A Fluorescence-Based High-Performance Liquid Chromatography Assay to Determine Acid Ceramidase Activity," <i>Analytical Biochemistry</i> , <u>274</u> :264-269 (1999)			
LL		A136		Heringdorf, et al., "Stimulation of intracellular sphingosine-1-phosphate production by G-protein-coupled sphingosine-1-phosphate receptors," <i>Eur. J. Pharmacol.</i> , <u>414</u> :145-154 (2001)			
LL		A137		Hernandez, et al., "Rapid Activation of Neutral Sphingomyelinase by Hypoxia-Reoxygenation of Cardiac Myocytes," <i>Circ. Res.</i> , <u>86</u> :198-204 (2000)			
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LL		A140		Higuchi, et al., "Acidic Sphingomyelinase-Generated Ceramide is Needed But Not Sufficient for TNF-Induced Apoptosis and Nuclear Factor- κ B Activation," <i>J. Immunol.</i> , <u>157</u> :297-304 (1996)			
LL		A141		Hinkovska-Glachewa, et al., "Activation of a Plasma Membrane-Associated Neutral Sphingomyelinase and Concomitant Ceramide Accumulation During IgC-Dependent Phagocytosis in Human Polymorphonuclear Leukocytes," <i>Blood</i> , <u>91</u> :4761-4769 (1998)			
LL		A142		Hise, et al., "Fatty Acyl Chain Composition in the Determination of Renal Membrane Order," <i>J. Clin. Invest.</i> , <u>77</u> (3):768-773 (1986)			
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LL		A144		Hofmann, et al., "Cloning and characterization of the mammalian brain-specific, Mg^{2+} -dependent neutral sphingomyelinase," <i>PNAS</i> , <u>97</u> :5895-5900 (2000)			
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LL	A150	Humpf, et al., "Acylation of naturally occurring and synthetic 1-deoxysphinganine by ceramide synthase. Formation of N-palmitoyl-aminopentol produces a toxic metabolite of hydrolyzed fumonisin, AP1, and a new category of ceramide synthase inhibitor," <i>J. Biol. Chem.</i> , <u>273</u> :19060-19064 (1998)	
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LL	A154	Ikezawa, et al., "Studies on Sphingomyelinase of <i>Bacillus Cereus</i> . I. Purification and Properties," <i>Biochim. Biophys Acta</i> , <u>528</u> (2):247-256 (1978)	
LL	A155	Im, et al., "Molecular Cloning and Characterization of a Lysophosphatidic Acid Receptor, Edg-7, Expressed in Prostate," <i>Molecular Pharmacology</i> , <u>57</u> :753-759 (2000)	
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LL	A160	Jonghe, et al., "Structure-Activity Relationship of Short-Chain Sphingoid Bases as Inhibitors of Sphingosine Kinase," <i>Bioorganic & Medicinal Chemistry Letters</i> , <u>9</u> :3175-3180 (1999)	
LL	A161	Kajstura, et al., "Apoptotic and Necrotic Myocyte Cell Deaths Are Independent Contributing Variables of Infarct Size in Rats," <i>Lab. Invest.</i> , <u>74</u> :86-107 (1996)	
LL	A162	Kanfer, et al., "The Metabolism of Sphingomyelin. I. Purification and properties of a sphingomyelin-cleaving enzyme from rat liver tissue," <i>J. Biol. Chem.</i> , <u>241</u> :1081 (1966)	
LL	A163	Katircioglu, et al., "Myocardial preservation in acute coronary artery occlusion with coronary sinus retroperfusion and carnitine," <i>J. Cardiovasc. Surg.</i> , <u>41</u> :45-50 (1999)	

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CC	A164	Kay, et al., "Identification of enzyme inhibitors from phage-displayed combinatorial peptide libraries," <i>Comb. Chem. High Throughput Screen</i> , <u>4</u> :535-543 (2001)	
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CC	A169	Kohama, et al., "Molecular cloning and functional characterization of murine sphingosine kinase," <i>J. Biol. Chem.</i> , <u>273</u> :23722-23728 (1998)	
CC	A170	Kolesnick, et al., "Characterization of a Ceramide Kinase Activity from Human Leukemia (HL-60) Cells: Separation From Diacylglycerol Kinase Activity," <i>J. Biol. Chem.</i> , <u>265</u> :18803-18808 (1990)	
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
CC SEP 30 2002	A179	Lee, et al., "Cell-cycle-dependent changes in ceramide levels preceding retinoblastoma protein dephosphorylation in G2/M," <i>Biochem. J.</i> , <u>334</u> :457-461 (1998)	
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CC	A182	Li, et al., "The Human Acid Ceramidase Genes (ASAH): Structure, Chromosomal Location, Mutation Analysis, and Expression," <i>Genomics</i> , <u>62</u> :223-231 (1999)	
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CC	A192	Liu, et al., "Advances in the signal transduction of ceramide and related sphingolipids," <i>Crit. Rev. Clin. Lab. Sci.</i> , <u>36</u> :511-573 (1999)	
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CC	A209	Mao, et al., "Cloning and Characterization of a <i>Saccharomyces cerevisiae</i> Alkaline Ceramidase with Specificity for Dihydroceramide," <i>J. Biol. Chem.</i> , <u>275</u> :31369-31378 (2000)					
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CC	A212	Marks, et al., "Methods for Studying Glucosylceramide Synthase," <i>Methods in Enzymology</i> , <u>311</u> :50-59 (1999)					
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CC	A214	Martin, et al., "Neutral Magnesium-Dependant Sphingomyelinase from Liver Plasma Membrane: Purification and Inhibition by Ubiquinol," <i>J. Bioenerg. Biomembr.</i> , <u>33</u> (2):143-153 (2001)					
CC	A215	Meacci, et al., "Receptor-mediated activation of phospholipase D by sphingosine 1-phosphate in skeletal muscle C2C12 cells," <i>FEBS Letters</i> , <u>457</u> :184-188 (1999)					
CC	A216	Meldrum, "Tumor necrosis factor in the heart," <i>Am. J. Physiol.</i> , <u>274</u> :R577-R595 (1998)					
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CC	A223	Mitsutake, et al., "Purification, Characterization, Molecular Cloning, and Subcellular Distribution of Neutral Ceramidase of Rat Kidney," <i>J. Biol. Chem.</i> , <u>276</u> :26249-26259 (2001)					

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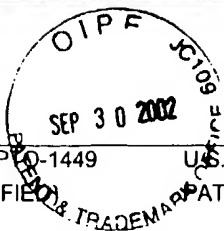
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CC	A224	Mohan, et al., "Evidence that Neutral Sphingomyelinase of Cultured Murine Neuroblastoma Cells is Oriented Externally on the Plasma Membrane," <i>Biochem Biophys Acta</i> , <u>777</u> (2):339-342 (1984)		
CC	A225	Mohler, et al., "Soluble Tumor Necrosis Factor (TNF) Receptors Are Effective Therapeutic Agents in Lethal Endotoxemia and Function Simultaneously as Both TNF Carriers and TNF Antagonists," <i>J. Immunol.</i> , <u>151</u> (3):1548-1561 (1993)		
CC	A226	Nakajima, et al., " <i>Biophysical J.</i> , <u>78</u> :319 A (2000)		
CC	A227	Napoli, et al., "Ischaemic preconditioning of rat myocardium: effects on postischaemic coronary endothelium hyperaemia and microcirculatory damage," <i>J. Clin. Bas. Cardiol.</i> , <u>1</u> :37-42 (1998)		
CC	A228	Nikolova-Karakashian, et al., "Ceramidases," <i>Methods in Enzymology</i> , <u>311</u> :194-201 (1999)		
CC	A229	Ohta, et al., "Induction of apoptosis by sphingosine in human leukemic HL-60 cells: a possible endogenous modulator of apoptotic DNA fragmentation occurring during phorbol ester-induced differentiation," <i>Cancer Res.</i> , <u>55</u> :691-697 (1995)		
CC	A230	Ohta, et al., "A possible role of sphingosine in induction of apoptosis by tumor necrosis factor- α in human neutrophils," <i>FEBS Letters</i> , <u>355</u> :267-270 (1994)		
CC	A231	Okamoto, et al., "EDG1 Is a Functional Sphingosine-1-Phosphate Receptor That Is Linked via a $G_{i/o}$ to Multiple Signaling Pathways, Including Phospholipase C Activation, Ca^{2+} Mobilization, Ras-Mitogen-activated Protein Kinase Activation, and Adenylate Cyclase Inhibition," <i>J. Biol. Chem.</i> , <u>273</u> :27104-27110 (1998)		
CC	A232	Okamoto, et al., "EDG3 Is a Functional Receptor Specific for Sphingosine 1-Phosphate and Sphingosylphosphorylcholine with Signaling Characteristics Distinct from EDG1 and AGR16," <i>Biochem. Biophys. Res. Commun.</i> , <u>260</u> :203-208 (1999)		
CC	A233	Okazaki, et al., "Characteristics and partial purification of a novel cytosolic magnesium-independent, neutral sphingomyelinase activated in the early signal transduction of $1\alpha,25$ -dihydroxyvitamin D ₃ -induced HL-60 cell differentiation," <i>J. Biol. Chem.</i> , <u>269</u> (6):4070-4077 (1994)		
CC	A234	Okino, et al., "Molecular Cloning, Sequencing, and Expression of the Gene Encoding Alkaline Ceramidase from <i>Pseudomonas aeruginosa</i> : Cloning of A Ceramidase Homologue from mycobacterium Tuberculosis," <u>274</u> :36616-36622 (1999)		
CC	A235	Olivera, et al., "Assaying Sphingosine Kinase Activity," <i>Methods in Enzymology</i> , <u>311</u> :215-223 (1999)		
CC	A236	Olivera, et al., "Sphingosine-1-phosphate as second messenger in cell proliferation induced by PDGF and FCS mitogens," <i>Nature</i> , <u>365</u> :557-560 (1993)		
CC	A237	Oral, et al., "Sphingosine mediates the immediate negative inotropic effects of tumor necrosis factor-alpha in the adult mammalian cardiac myocyte," <i>J. Biol. Chem.</i> , <u>272</u> :4836-4842 (1997)		
CC	A238	Oshefski, et al., "Glucosylceramide Synthase Inhibition Enhances Vincristine-Induced Cytotoxicity," <i>Int. J. Cancer</i> , <u>93</u> :131-138 (2001)		

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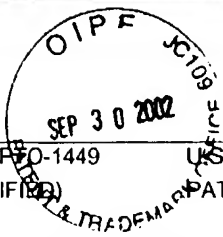


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CC	A239	Parrill, et al., "Identification of Edg1 Receptor Residues That Recognize Sphingozine 1-Phosphate," <i>J. Biol. Chem.</i> , <u>275</u> :39379-39384 (2000)
CC	A240	Pitson, et al., "Human sphingosine kinase: purification, molecular cloning and characterization of the native and recombinant enzymes," <i>Biochem J.</i> , <u>350</u> :429-441 (2000)
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CC	A242	Raag, et al., "Single-chain Fvs.," <i>FASEB J.</i> , <u>9</u> :73-80 (1995)
CC	A243	Rani, et al., "Cell Cyle Arrest Induced by an Inhibitor of Glucosylceramide Synthase," <i>J. Biol. Chem.</i> , <u>270</u> :2859-2867 (1995)
CC	A244	Riley, et al., "Fermentation, Partial Purification, and Use of Serine Palmitoyltransferase Inhibitors from <i>Isaria (=Cordyceps) sinclairii</i> ," <i>Methods in Enzymology</i> , <u>311</u> :348-361 (1999)
CC	A245	Romiti, et al., "Characterization of sphingomyelinase activity released by thrombin-stimulated platelets," <i>Molecular and Cellular Biochemistry</i> , <u>205</u> :75-81 (2000)
CC	A246	Runcie, et al., "A Short and Efficient Route to Novel Scyphostatin Analogues," <i>Organic Letters</i> , <u>3</u> :3237-3239 (2001)
CC	A247	Sabbadini, et al., "Sphingosine is endogenous to cardiac and skeletal muscle," <i>Biochem. Biophys. Res. Comm.</i> , <u>193</u> :752-758 (1993)
CC	A248	Saint-Joanis, et al., "Gene cloning shows the alpha-toxin of <i>Clostridium perfringens</i> to contain both sphingomyelinase and lecithinase activities," <i>Mol. Gen. Genet.</i> , <u>219</u> (3):453-60 (1989)
CC	A249	Saito, et al., "Absolute Configuration of Scyphostatin," <i>Organic Letters</i> , <u>2</u> :505-506 (2000)
CC	A250	Sakai, et al., "A device for recording left ventricular contraction and electrocardiogram in nonworking isolated perfused rat heart," <i>Jpn J. Pharmacol.</i> , <u>28</u> :223-229 (1978)
CC	A251	Sato, "A new role of lipid receptors in vascular and cardiac morphogenesis," <i>The Journal of Clinical Investigation</i> , <u>6</u> :939-940 (2000)
CC	A252	Sawai, et al., "Function of the Cloned Putative Neutral Sphingomyelinase as Lyso-platelet Activating Factor-Phospholipase C," <i>J. Biol. Chem.</i> , <u>274</u> (53):38131-38139 (1999)
CC	A253	Sawai, et al., "Identification of ISC1 (YER019w) as Inositol Phosphosphingolipid Phospholipase C in <i>Saccharomyces cerevisiae</i> ," <i>J. Biol. Chem.</i> , <u>275</u> :39793-39798 (2000)

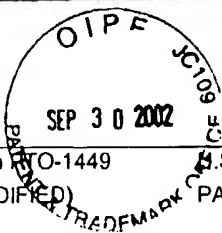
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)				
CC	A254	Schissel, et al., "Zn2+-stimulated sphingomyelinase is secreted by many cell types and is a product of the acid sphingomyelinase gene," <i>J. Biol. Chem.</i> , <u>271</u> :18431-18436 (1996)		
CC	A255	Sergeyev, et al., "Lipid Spectrum of the Myocardium of White Rats Exposed to Hypoxic Hypoxia," <i>Kosm. Biol. Aviakosm. Med.</i> , <u>15</u> :71-74 (1981)		
CC	A256	Shayman, et al., "Glucosylceramide Synthase: Assay and Properties," <i>Methods in Enzymology</i> , <u>311</u> :42-49 (1999)		
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CC	A258	Shinghal, et al., "Ceramide 1-Phosphate Phosphatase Activity in Brain," <i>Journal of Neurochemistry</i> , <u>61</u> :2279-2285 (1993)		
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CC	A260	Siess, et al., "Lysophosphatidic Acid and Sphingosine 1-Phosphate: Two Lipid Villains Provoking Cardiovascular Diseases?" <i>IUBMB Life</i> , <u>49</u> :161-171 (2000)		
CC	A261	Smith, et al., "Hypoxia, calcium fluxes, and inotropic state: Studies in cultured heart cells," <i>Amer. Heart J.</i> , <u>103</u> (4):716-723 (1982)		
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CC	A263	Spiegel, et al., "Sphingolipid metabolism and cell growth regulation," <i>FASEB J.</i> , <u>10</u> :1388-1397 (1996)		
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CC	A265	Spence, et al., "A new Zn2+-stimulated sphingomyelinase in fetal bovine serum," <i>J. Biol. Chem.</i> , <u>264</u> (10):5358-5363 (1989)		
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CC	A267	Spiegel, et al., "REVIEW: Roles of Sphingosine-1-phosphate in Cell Growth, Differentiation, and Death," <i>Biochemistry (Moscow)</i> , <u>63</u> :69-83 (1998)		
CC	A268	Spiegel, et al., "Functions of a new family of sphingosine-1-phosphate receptors," <i>Biochim. Biophys. Acta</i> , <u>1484</u> :107-116 (2000)		

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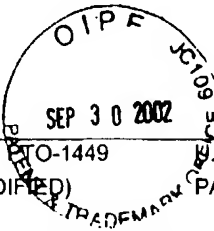
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LL	A269	Suheck, et al., "Combinatorial synthesis of aminglycoside libraries," <i>Curr Opin Drug Discov Devel.</i> , <u>4</u> :462-470 (2001)
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LL	A272	Sumnicht, et al., "Lipid Composition of Transverse Tubular Membranes from Normal and Dytophic Skeletal Muscle," <i>Arch. Biochem. Biophys.</i> , <u>215</u> :628-637 (1982)
LL	A273	Szulc, et al., "A facile regioselective synthesis of sphingosine 1-phosphate and ceramide 1-phosphate," <i>Tetrahedron Letter</i> , <u>41</u> :7821-7824 (2000)
LL	A274	Tamura, et al., "Mass production of sphingomyelinase of <i>Bacillus cereus</i> by a protein-hyperproducign strain <i>Bacillus brevis</i> 47, and its purification," <i>J. Biochem. (Tokyo)</i> , <u>112</u> (4):488-491 (1992)
LL	A275	Tanaka, et al., "Structural Elucidation of Scyphostatin, an Inhibitor of Membrane-Bound Neutral Sphingomyelinase," <i>J. Am. Chem. Soc.</i> , <u>199</u> :7871-7872 (1997)
LL	A276	Tani, et al., "Purification and Characterization of a Neutral Ceramidase from Mouse Liver: A single Protein Catalyzes the Reversible Reaction in Which Ceramide is Both Hydrolyzed and Synthesized," <i>J. Biol. Chem.</i> , <u>275</u> :3462-3468 (2000)
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LL	A278	Tomita, et al., "Secondary structure of sphingomyelinase from <i>Bacillus cereus</i> ," <i>J. Biochem. (Tokyo)</i> , <u>108</u> (5):811-815 (1990)
LL	A279	Tomiuk, et al., "Cloned mammalian neutral sphingomyelinase: Functions in sphingolipid signaling?" <i>Proc. Natl. Acad. Sci. (USA)</i> , <u>95</u> :3638-3643
LL	A280	Torley, et al., "A turbidometric assay for phospholipase C and sphingomyelinase," <i>Anal Biochem.</i> , <u>222</u> :461-464 (1994)
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LL	A282	Triola, et al., "Synthesis of aCyclopropene Analogue of Ceramide, a Potent Inhibitor of Dihydroceramide Desaturase," <i>Angew. Chem. Int. Ed.</i> , <u>40</u> :1960-1962 (2001)
LL	A283	Tsunoda, et al., "Early Fumonisin B1 Toxicity in Relation to Disrupted Sphingolipid Metabolism in Male BALB/c Mice," <i>J. Biochem. Mol. Toxicol.</i> , <u>12</u> :281-289 (1998)

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)					
LL	A284	Uchida, et al., "Alutenusin, a Specific Neutral Sphingomyelinase Inhibitor, Produced by Penicillium sp. FO-7436," <i>J. Antibiotics</i> , <u>52</u> (6):572-574 (1999)			
LL	A285	Usta, et al., "Structural Requirements of Ceramide and Sphingosine Based Inhibitors of Mitochondrial Ceramidase," <i>Biochemistry</i> , <u>40</u> :9657-9668 (2000)			
LL	A286	Van Brocklyn, et al., "Sphingosine 1-phosphate-induced cell rounding and neurite retraction are mediated by the G protein-coupled receptor H218," <i>J. Biol. Chem.</i> , <u>274</u> :4626-4632 (1999)			
LL	A287	Van Veldhoven, "Sphingosine-1-phosphate Lyase" <i>Methods in Enzymology</i> , <u>311</u> :244-254 (1999)			
LL	A288	Van Veldhoven, et al., "Human sphingosine-1-phosphate lyase: cDNA cloning, functional expression studies and mapping to chromosome 10q22," <i>Biochimica et Biophysica Acta</i> , <u>1487</u> :128-134 (2000)			
LL	A289	Veldhoven, et al., "Sphingosine-Phosphate Lyase," <i>Adv. Lipid Res.</i> , <u>26</u> :69-98 (1993)			
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LL	A291	Walev, et al., "Selective killing of human monocytes and cytokine release provoked by sphingomyelinase (beta-toxin) of Staphylococcus aureus," <i>Infect. Immun.</i> , <u>64</u> :2974-2979 (1996)			
LL	A292	Wang, et al., "A Single Amino Acid Determines Lysophospholipid Specificity of the S1P1 (EDG1) and LPA1 (EDG2) Phospholipid Growth Factor Receptors," <i>JBC Papers in Press Published October 16, 2001</i> , Manuscript M107301200			
LL	A293	Wang & Merrill, et al., <i>Adv. Lipid Res.</i> , <u>26</u> :215-234 (1993)			
LL	A294	Winter, et al., "Making antibodies by phage display technology," <i>Annu. Rev. Immunol.</i> , <u>12</u> :433-455 (1994)			
LL	A295	Xia, et al., "High density lipoproteins (HDL) interrupt the sphingosine kinase signaling pathway. A possible mechanism for protection against atherosclerosis by HDL," <i>J. Biol. Chem.</i> , <u>274</u> :33143-33147 (1999)			
LL	A296	Xia, et al., "Tumor necrosis factor-alpha induces adhesion molecule expression through the sphingosine kinase pathway," <i>PNAS</i> , <u>95</u> :14196-14201 (1998)			
LL	A297	Xu, et al., "Involvement of de novo ceramide biosynthesis in tumor necrosis factor-alpha/cycloheximide-induced cerebral endothelial cell death," <i>J. Biol. Chem.</i> , <u>273</u> :16521-16526 (1998)			
LL	A298	Xu, et al., "Sphingosylphosphorylcholine is a ligand for ovarian cancer G-protein-coupled receptor 1," <i>Nature Cell Biology</i> , <u>2</u> :261-267 (2000)			

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LL	A299	Yada, et al., "Purification and biochemical characterization of membrane-bound epidermal ceramidases from guinea pig skin," <i>J. Biol. Chem.</i> , <u>270</u> :12677-12684 (1995)			
LL	A300	Yamada, et al., "Nucleotide sequence and expression in Escherichia coli of the gene coding for sphingomyelinase of Bacillus cereus," <i>Eur. J. Biochem.</i> , <u>175</u> (2):213-220			
LL	A301	Yamaji, et al., "Lysenin, a novel sphingomyelin-specific binding protein," <i>J. Biol. Chem.</i> , <u>273</u> :5300-5306 (1998)			
LL	A302	Yamanaka, et al., "Acid Sphingomyelinase of Human Brain: Purification to Homogeneity," <i>J. Neurochem.</i> , <u>38</u> :1753-1764 (1982)			
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LL	A304	Yamazaki, et al., <i>Biochem. Biophys. Res. Commun.</i> , <u>268</u> :583-589 (2000)			
LL	A305	Yatomi, et al., "Sphingosine-1-Phosphate: A Platelet-Activating Sphingolipid Released from Agonist-Stimulated Human Platelets," <i>Blood</i> , <u>86</u> :193-202 (1995)			
LL	A306	Yatomi, et al., "Sphingosine 1-phosphate, a bioactive sphingolipid abundantly stored in platelets, is a normal constituent of human plasma and serum," <i>J. Biochem.</i> , <u>121</u> :969-973 (1997)			
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LL	A308	Yellon, et al., "Ischaemic preconditioning limits infarct size in the rat heart," <i>Cardiovasc Res.</i> , <u>26</u> :983-987 (1992)			
LL	A309	Yoshimura, et al., "Inhibition of Neutral Sphingomyelinase Activation and Ceramide Formation by Glutathione in Hypoxic PC12 Cell Death," <i>Journal of Neurochemistry</i> , <u>73</u> :675-683 (1999)			
LL	A310	Intentionally Left Blank			
LL	A311	Zager, et al., "Decreased expression of mitochondrial-derived H2O2 and hydroxyl radical in cytoresistant proximal tubules," <i>Kidney Int.</i> , <u>52</u> :942-952 (1997)			
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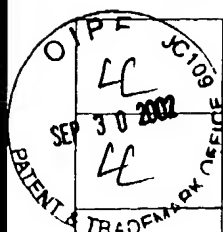
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A314	Zhang, et al., "Human Acid Ceramidase Gene: Novel Mutations in Farber Disease," <i>Molecular Genetics and Metabolism</i> , <u>70</u> :301-309 (2000)
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A317	Zweerink, et al., "Characterization of a Novel, Potent, and Specific Inhibitor of Serine Palmitoyltransferase," <i>J. Biol. Chem.</i> , <u>267</u> :25032-25038 (1992)

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